

Patent Claims

What is claimed is:

1. A trimming system for a user-operated ground vehicle capable of performing mowing and trimming operations, said system comprising:
drive means operatively coupled to a drive system of the vehicle having said trimming system mounted thereon; and
a trimming unit operatively coupled to said drive means for performing edge trimming operations.
2. A trimming system according to claim 1, wherein said drive means comprising at least one driven pulley operatively coupled to a drive pulley of the vehicle for driving said trimming unit.
3. A trimming system according to claim 2, wherein said drive pulley being coupled to a mowing unit and said trimming unit to at least one of selectively and simultaneously drive said mowing and trimming units.
4. A trimming system according to claim 1, further comprising a guide wheel mounted on the vehicle adjacent said trimming unit for maintaining at least one trimming wire of said trimming unit at a predetermined distance from a stationary object during performance of said edge trimming operations.
5. A trimming system according to claim 4, wherein said guide wheel being made of nylon.
6. A trimming system according to claim 4, wherein said guide wheel being mounted on a resiliently biased bracket for resiliently deflecting a predetermined distance upon contact with the stationary object.

7. A trimming system according to claim 1, further comprising a guide wheel mounted on a driven axle of said trimming unit for maintaining at least one trimming wire of said trimming unit at a predetermined distance from a stationary object during performance of said edge trimming operations.

8. A trimming system according to claim 7, wherein said guide wheel being mounted on the vehicle by a threaded shaft to enable height adjustment of said guide wheel by rotation of said guide wheel relative to said shaft.

9. A trimming system according to claim 1, wherein said trimming unit including a spindle having at least one trimming wire for enabling performance of said edge trimming operations during rotation of said spindle, said spindle being coupled to said trimming unit by a threaded shaft to enable height adjustment of said spindle by rotation of said spindle relative to said shaft.

10. A trimming system according to claim 1, wherein said trimming unit being coupled to the vehicle by a threaded shaft to enable height adjustment of said trimming unit by rotation of said trimming unit relative to said shaft.

11. A vehicle for performing mowing and edge trimming operations, said vehicle comprising:
a mowing system for performing mowing operations; and
a trimming system for performing edge trimming operations and being operatively coupled to a drive system of said vehicle for at least one of selectively and simultaneously driving said mowing and trimming systems.

12. A vehicle according to claim 11, wherein said drive system comprising at least one drive pulley for at least one of selectively and simultaneously driving said mowing and trimming systems, and further comprising at least one driven pulley operatively coupled to said drive pulley for driving said trimming system.

13. A mowing and trimming system comprising:
a drive unit including at least one drive and driven pulley, said drive pulley being operatively coupled to said driven pulley to at least one of selectively and simultaneously drive a mowing unit for performing mowing operations and a trimming unit for performing edge trimming operations.
14. A mowing and trimming system according to claim 13, further comprising a guide wheel mounted on a vehicle having said mowing and trimming system mounted thereon, said guide wheel being mounted adjacent said trimming unit for maintaining at least one trimming wire of said trimming unit at a predetermined distance from a stationary object during performance of said edge trimming operations.
15. A mowing and trimming system according to claim 14, wherein said guide wheel being mounted on a resiliently biased bracket for resiliently deflecting a predetermined distance upon contact with the stationary object.
16. A mowing and trimming system according to claim 13, further comprising a guide wheel mounted on a driven axle of said trimming unit for maintaining at least one trimming wire of said trimming unit at a predetermined distance from a stationary object during performance of said edge trimming operations.
17. A mowing and trimming system according to claim 16, wherein said guide wheel being mounted on a vehicle having said mowing and trimming system mounted thereon, said guide wheel being mounted by a threaded shaft to enable height adjustment of said guide wheel by rotation of said guide wheel relative to said shaft.
18. A mowing and trimming system according to claim 13, wherein said trimming unit including a spindle having at least one trimming wire for enabling performance of said edge trimming operations during rotation of said spindle, said spindle being coupled to

said trimming unit by a threaded shaft to enable height adjustment of said spindle by rotation of said spindle relative to said shaft.

19. A mowing and trimming system according to claim 13, wherein said trimming unit being coupled to a vehicle having said mowing and trimming system mounted thereon by a threaded shaft to enable height adjustment of said trimming unit by rotation of said trimming unit relative to said shaft.